

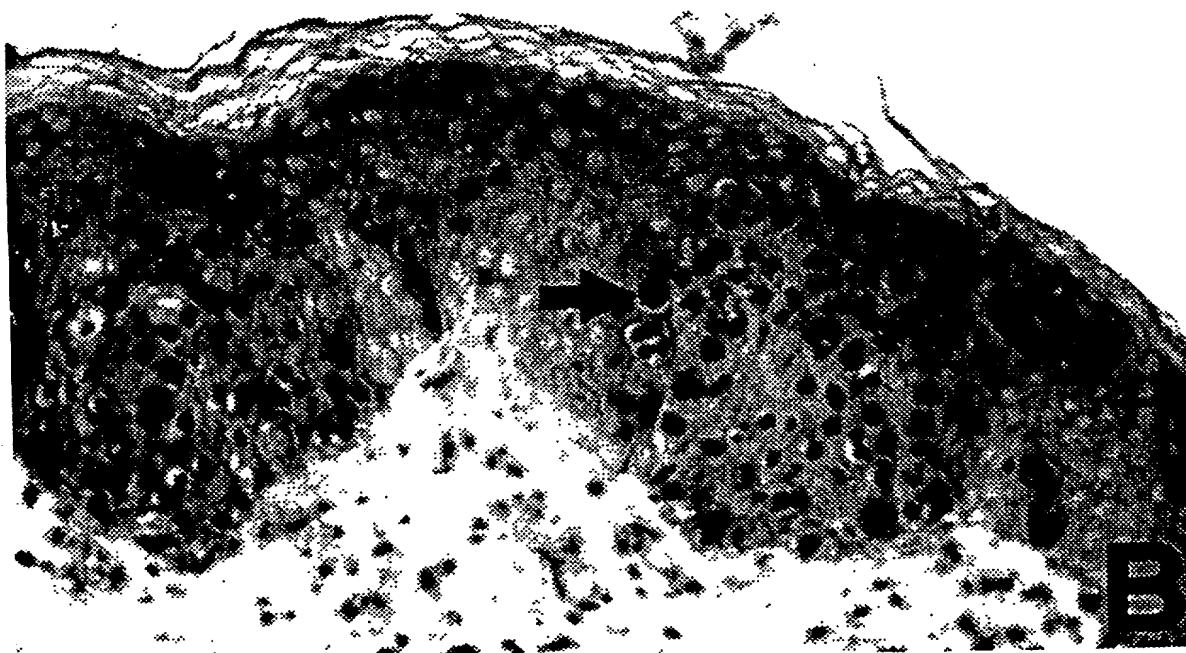
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FIGURE 1A



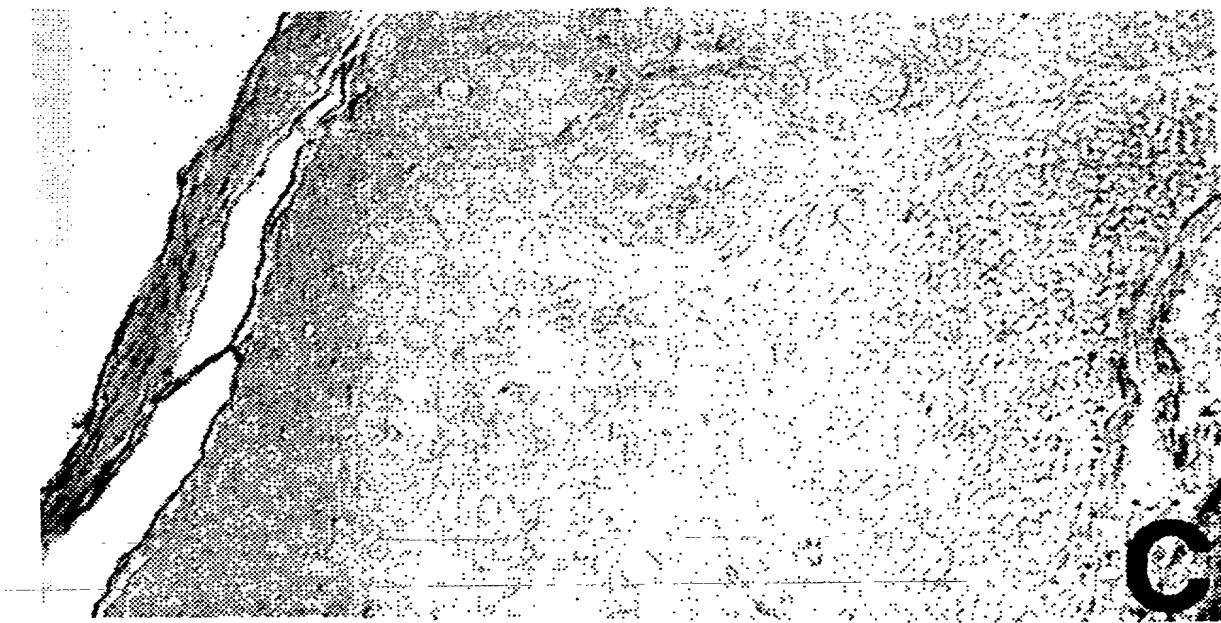
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FIGURE 1B



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FIGURE 1C



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FIGURE 2A



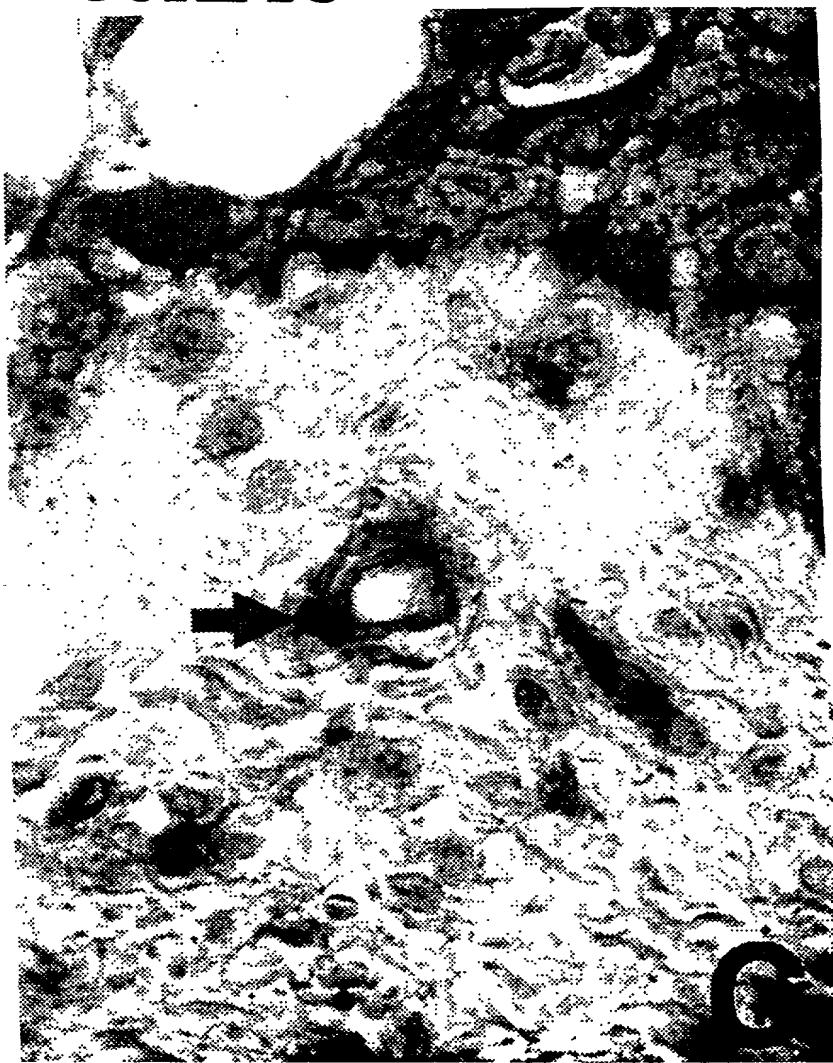
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FIGURE 2B



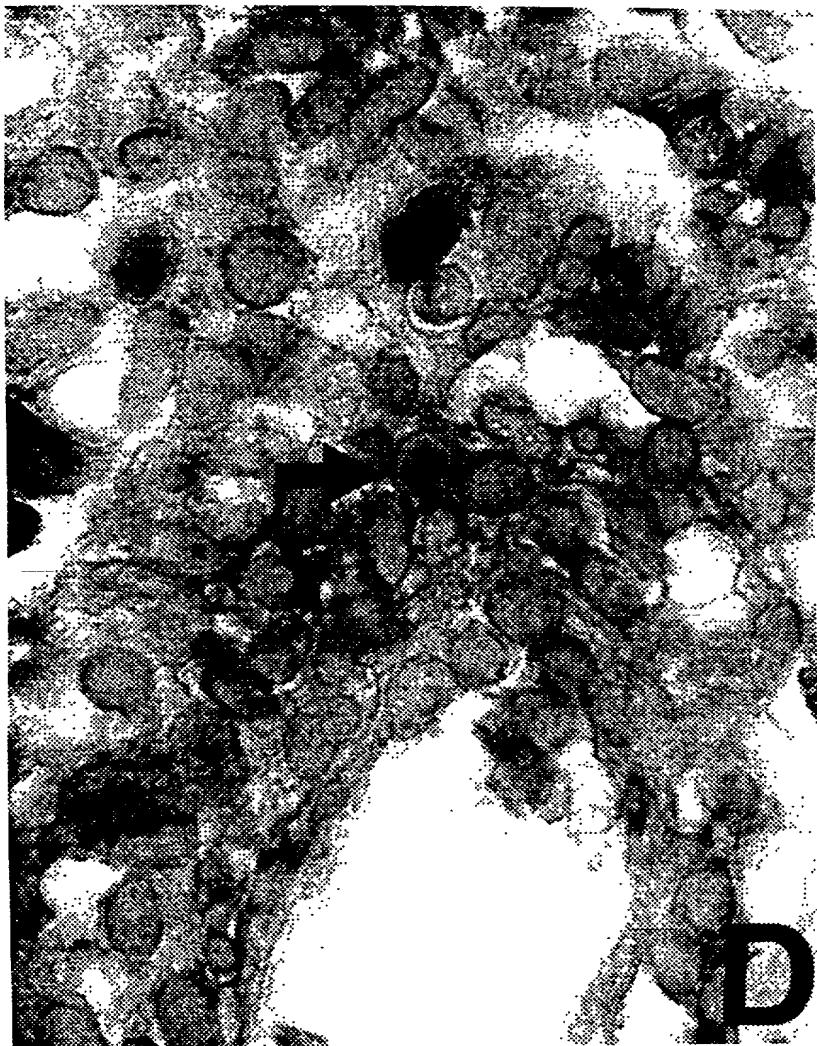
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FIGURE 2C



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FIGURE 2D



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FIGURE 3A



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FIGURE 3B



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FIGURE 3C



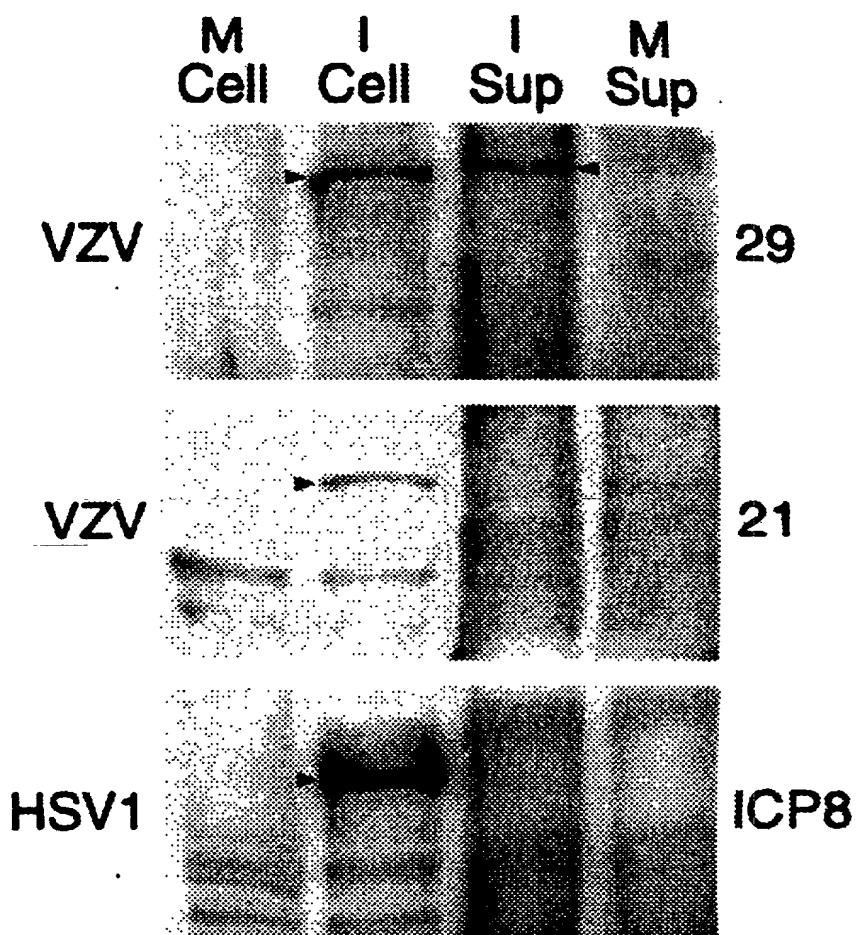
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FIGURE 3D



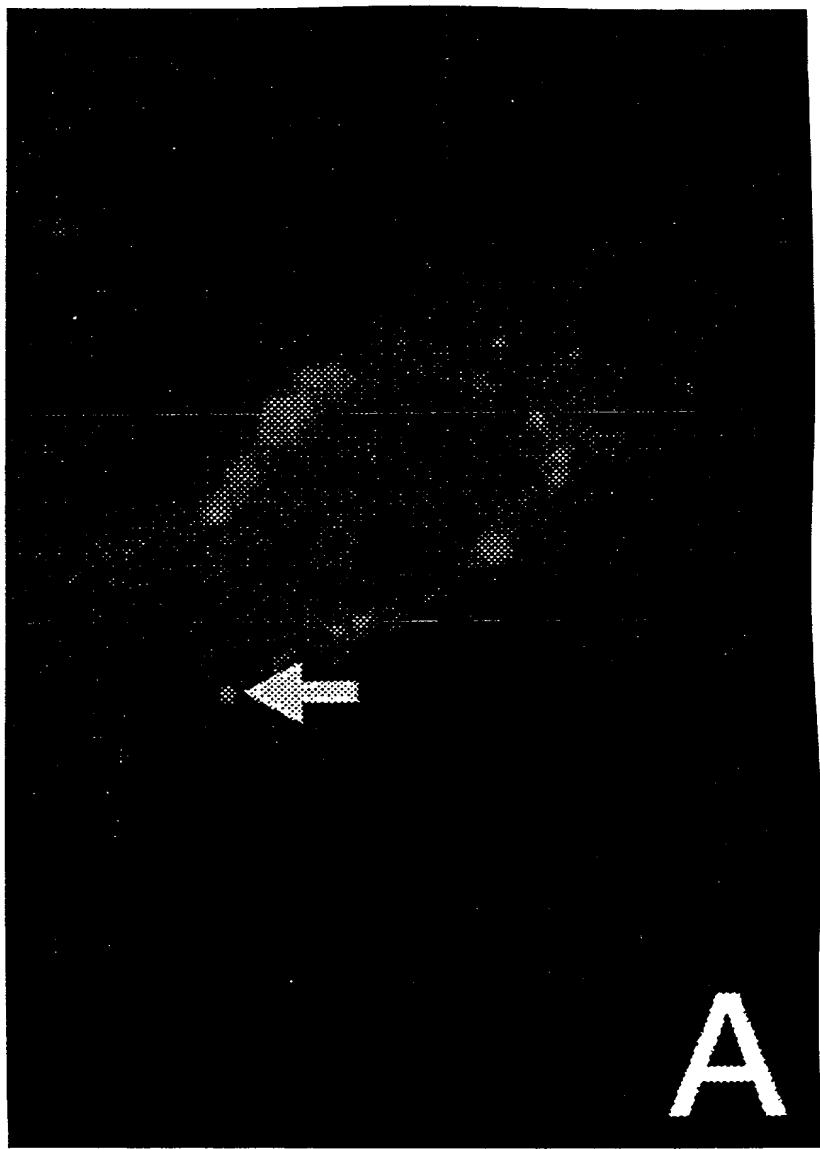
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FIGURE 4



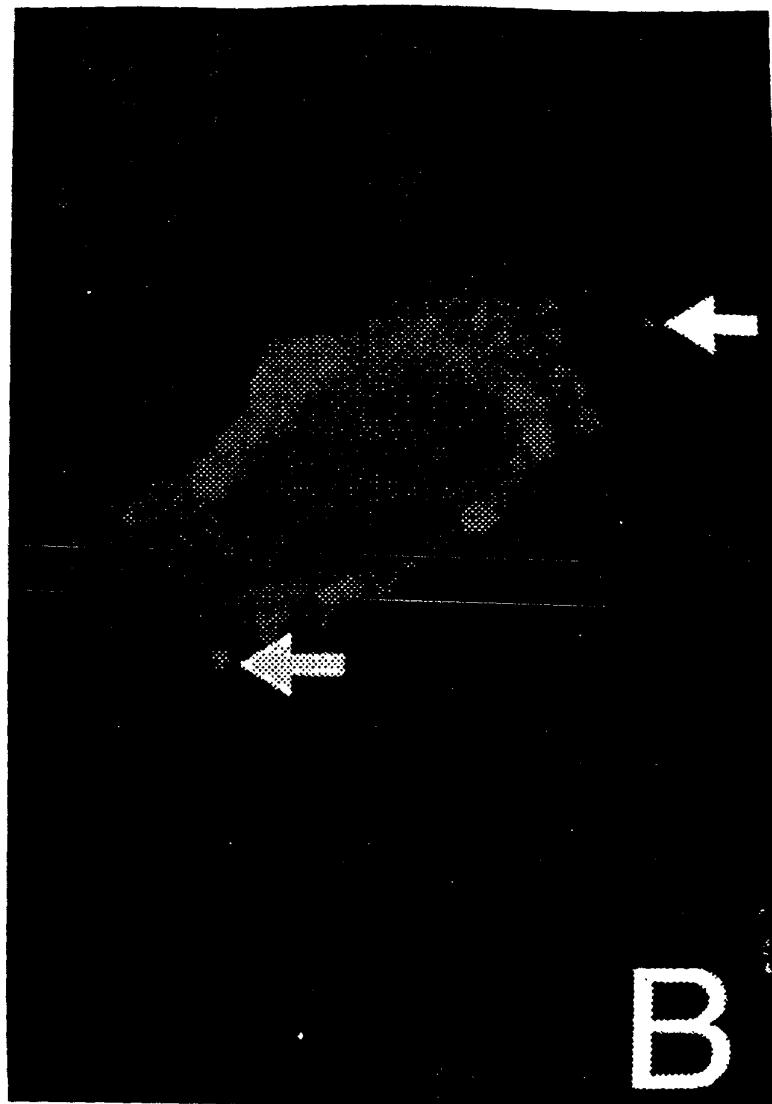
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FIGURE 5A



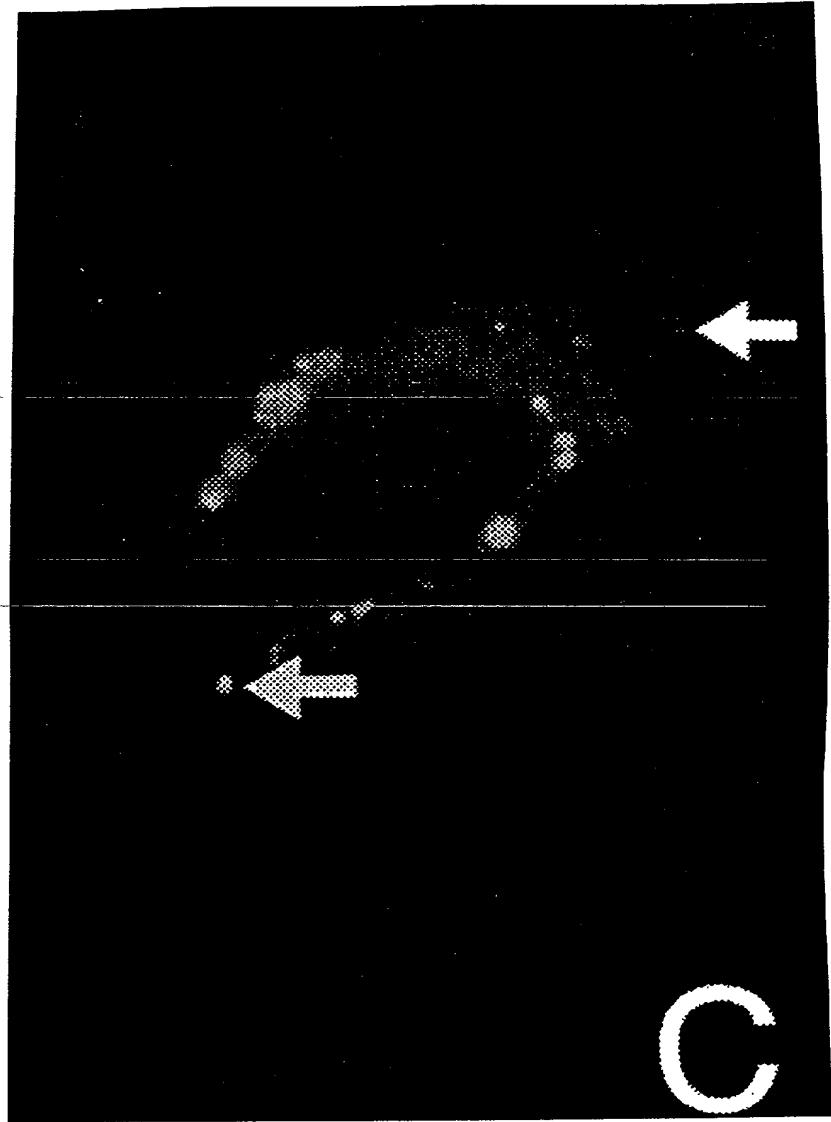
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FIGURE 5B



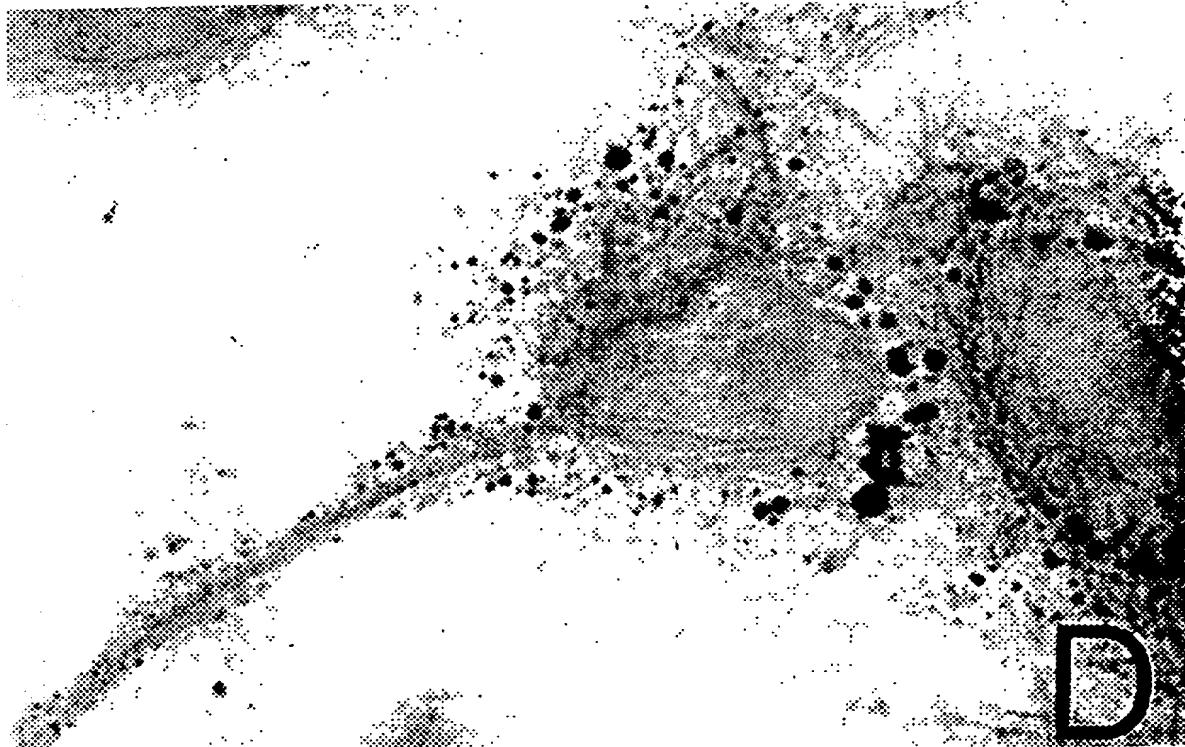
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FIGURE 5C



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FIGURE 5D



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FIGURE 5E

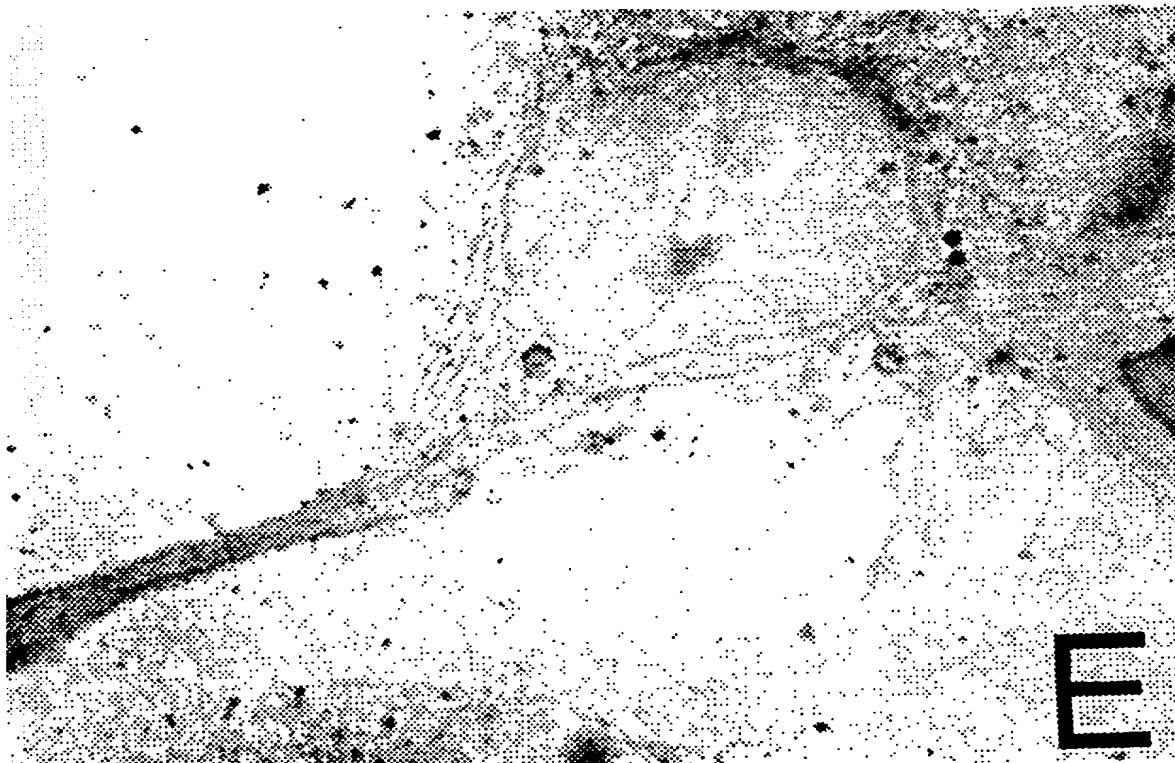


FIGURE 6-1

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	5'	AAT	GAA	AAT	ACT	CAG	AAG	ACT	GTC	ACA	GTC	CCC	ACG	GGG	CCC	CAG	TAC	GTC	54
M	E	N	T	Q	K	T	V	T	V	P	T	G	P	L	G	Y	V		
Y	A	C	R	V	E	D	L	D	L	E	E	I	S	F	L	A	A		
CGT	AGC	ACG	GAC	TCT	GAT	TTC	GCT	TTC	TTA	CCT	TTC	ATG	CGT	AAT	TTC	ACC	GTC	162	
R	S	T	D	S	D	L	A	L	L	P	L	M	R	N	L	T	V		
GAA	AAA	ACT	TTT	ACA	TCC	AGC	CTG	GCG	GTC	GTC	TCT	GGA	GCA	CGC	ACT	ACG	GGT	216	
E	K	T	F	T	S	S	L	A	V	V	S	G	A	R	T	T	G		
CTT	GCC	GGA	GCT	GGT	ATT	ACC	TTA	AAA	CTC	ACT	ACC	AGT	CAT	TTC	TAT	CCA	TCT	270	
L	A	G	A	G	I	T	L	K	L	T	T	S	H	F	Y	P	S		
GTC	TTT	GTC	TTT	CAC	GGA	GGC	AAA	CAC	GTC	TTA	CCC	AGC	TCC	GCG	GCC	CCA	AAT	324	
V	F	V	F	H	G	G	K	H	V	L	P	S	S	A	A	P	N		

FIGURE 6-2

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CTC	ACA	CGC	CCG	TGT	AAC	GCG	GCT	CGA	GAA	CGG	TGT	GGG	TTT	TCA	CGC	TGC	CAA
L	T	R	A	C	N	A	A	R	E	R	F	G	F	S	R	C	Q
387	396	396	405	414	414	423	423	432	432	432	432	432	432	432	432	432	432
GGG	CCT	CCT	GAC	GCT	GCT	GAG	ACG	ACC	GCG	GCT	GAG	ATA	TGC	ACC	CGC	CGC	CGC
G	P	P	V	D	G	A	V	E	T	T	G	A	E	I	C	T	R
441	450	450	459	459	468	477	477	486	486	486	486	486	486	486	486	486	486
CTT	GGA	TTA	GAG	CCA	GAA	AAT	ACA	ATA	TTA	TAC	TTC	GTC	ACG	GCA	TTG	TTT	TTT
L	G	L	E	P	E	N	T	I	L	Y	L	V	V	T	A	L	F
495	504	504	513	513	522	531	531	540	540	540	540	540	540	540	540	540	540
AAG	GAA	GCC	GTA	TTT	ATG	TGC	AAC	GTC	TTT	CTG	CAT	TAT	GGA	GCA	CTC	GAT	ATT
K	E	A	V	F	M	C	N	V	F	L	H	Y	G	G	L	D	I
549	558	558	567	567	576	585	585	594	594	594	594	594	594	594	594	594	594
GTT	CAT	ATT	AAC	CAT	GGG	GAT	GTT	ATA	CGT	ATA	CCG	TTA	TTT	CCG	GTA	CAA	CTT
V	H	I	N	H	G	D	V	I	R	I	P	L	F	P	V	Q	L
603	612	612	621	621	630	639	639	648	648	648	648	648	648	648	648	648	648
TTC	ATG	CCC	GAT	GTT	AAC	CGT	CTG	GTA	CCC	GAC	CCA	TTC	AAC	ACT	CAT	CAC	AGG
F	M	P	D	V	N	R	L	V	P	D	P	F	N	T	H	H	R

FIGURE 6-3

TCT	ATC	GGA	GAG	GGT	TTT	GTA	TAC	CCA	ACA	CCC	TTT	TAT	AAC	ACC	GGG	TTC	TGC	702
S	I	G	E	G	F	V	Y	P	T	P	F	Y	N	T	G	L	C	
711		720		729		738									747			756
CAT	TTA	ATA	CAT	GAC	TGT	GTT	ATT	GCT	CCC	ATG	GCC	GTT	GCC	TTG	CGC	GTC	AGA	
H	L	I	R	D	C	V	I	A	P	M	A	V	A	L	R	V	R	
765		774		783		792								801				810
ATAT	GTAA	ACT	GCC	GTC	GCC	CGA	CGA	GCG	GCC	CAC	CAC	CCT	GCT	TTT	GAT	GAA	AAT	CAC
N	V	T	A	V	A	R	G	A	A	H	L	A	F	D	E	N	H	
819		828		837		846								855				864
GAG	GGG	GCA	GTA	CTC	CCC	CCT	GAC	ATT	ACG	TAC	TAT	TTT	CAG	TCC	TCT	TCA		
E	G	A	V	L	P	P	D	I	T	Y	T	Y	F	Q	S	S	S	
873		882		891		900								909				918
AGT	GGA	ACC	ACT	ACC	GCC	CCT	GGA	CGG	CGT	CGA	AAC	GAT	GTC	AAC	TCC	ACG	TCT	
S	G	T	T	T	A	R	G	A	R	N	D	V	N	S	T	S		
927		936		945		954								963				972
AAG	CCT	AGC	CCA	TCG	GGG	GGG	TTT	GAA	AGA	CGG	TTG	GCG	TCT	ATT	ATG	GCC	GCT	
K	P	S	P	S	G	G	F	E	R	R	L	A	S	I	M	A	A	

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FIGURE 6-4

	981	990	999	1008	1017	1026
GAC	ACA	GCC	TTC	CAC	GCA	GAA
D	T	A	L	H	A	E
P	T	D	I	K	E	W
R	L	N	A	L	G	S
M	V	F	S	P	N	S
	1035	1044	1053	1062	1071	1080
CCA	ACA	GAT	ATC	AAA	GAA	TGG
P	T	D	I	K	E	W
R	L	N	A	L	G	S
M	V	F	S	P	N	S
	1089	1098	1107	1116	1125	1134
AGG	CTA	AAC	GCT	CTG	GCG	TCA
R	L	N	A	L	G	S
M	V	F	S	P	N	S
	1143	1152	1161	1170	1179	1188
ATG	GTT	TTC	AGC	CCA	AAT	TCT
M	V	F	S	P	N	S
	1197	1206	1215	1224	1233	1242
ATG	ACC	GAA	GCC	AGT	GGT	CCA
M	T	E	A	K	D	G
F	A	G	P	H	L	A
	1251	1260	1269	1278	1287	1296
TTT	GCC	GGA	CCT	CAT	TTC	GCT
F	A	G	P	H	L	A
	1305	1314	1323	1332	1341	1350
CTA	TCC	AGT	CAG	TCT	ACG	GCT
L	S	S	Q	S	T	G

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FIGURE 6-5

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GCA	CTC	ATT	TGT	GGA	TTT	GGA	GCA	CCC	CTG	TTC	GCG	CGA	CTG	CCT	TTT	TAT	CTA	1404
A	L	I	C	G	F	G	A	P	L	A	R	L	L	F	Y	L		
1413		1422					1431			1440			1449					1395
GAA	CGC	TGT	GAC	GCT	GCT	GCG	TTT	ACA	GGG	GGG	CAC	GGG	GAT	GCG	TTA	AAA	TAT	1458
E	R	C	D	A	G	A	F	T	G	G	H	G	D	A	L	K	Y	
1467		1476					1485			1494			1503					1512
GTT	ACG	GGG	ACC	TTT	GAC	TCT	GAA	ATT	CCA	TGT	AGT	TTA	TGT	GAA	AAA	CAC	ACG	
V	T	G	T	F	D	S	E	I	P	C	S	L	C	E	K	H	T	
1521		1530					1539			1548			1557					1566
CGG	CCG	GTA	TGC	GCT	CAC	ACA	ACA	GTA	CAC	CGA	CCT	AGA	CAA	CGC	ATG	CCG	CGA	
R	P	V	C	A	H	T	T	V	H	R	L	R	Q	R	M	P	R	
1575		1584					1593			1602			1611					1620
TTC	GGA	CAA	GCC	ACC	CGT	CAA	CCT	ATT	GGG	GTC	TTT	GGA	ACA	ATG	AAC	AGC	CAA	
F	G	Q	A	T	R	Q	P	I	G	V	F	G	T	M	N	S	Q	
1629		1638					1647			1656			1665					1674
TAT	AGC	GAC	TGC	GAT	CCT	CTA	GGG	AAC	TAT	GCT	CCA	TAT	TTA	ATC	CCT	CGA	AAA	
Y	S	D	C	D	P	L	G	N	X	A	P	Y	L	I	L	R	K	
1683		1692					1701			1710			1719					1728
CCC	GGG	GAT	CAA	ACG	GAA	GCA	GCA	AAG	GCA	ACC	ATG	CAG	GAC	ACT	TAT	AGG	GCT	
P	G	D	Q	T	E	A	A	K	A	T	M	Q	D	T	Y	R	A	

FIGURE 6-6

	1737	1746	1755	1764	1773	1782
ACA	CTA	GAA	CCC	TTC	ATC	GAT
T	L	E	R	L	F	I
A	P	C	S	S	E	G
	1791	1800	1809	1818	1827	1836
GCC	CCA	TGT	TCT	TCC	GAG	GGA
R	R	I	L	D	T	G
	1845	1854	1863	1872	1881	1890
CGT	CGC	ATA	TTA	GAC	ACA	CTG
R	R	I	L	D	T	L
	1899	1908	1917	1926	1935	1944
ATG	AAA	GTC	TTC	GAG	ACC	CGC
M	K	V	L	V	E	T
	1953	1962	1971	1980	1989	1998
GCC	ACC	CAT	TCA	ATG	GCG	TTA
A	T	H	S	M	A	L
	2007	2016	2025	2034	2043	2052
ATT	ACC	AAT	TTT	TTA	GTT	AAA
I	T	N	F	L	V	K

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FIGURE 6-7

	2061	TTA AGC CAA TGT CAT TGT GTA TTT TAC GGA CAG CAA GTT GAG CGG CGG AAC TTT	2079		2088		2097		2106
L	S	Q	C	H	C	V	F	Y	G
R	N	Q	F	Q	P	V	L	R	R
G	F	I	S	T	R	S	I	T	V
A	P	N	P	T	L	G	Q	D	A
D	L	A	R	V	S	V	E	V	I
V	V	F	S	G	N	C	T	N	L
GTC	GTT	TCA	GGT	AAC	TGT	AAT	CTC	TCT	GAG
GTA	GGC	CTT	GCA	AGT	GCG	TAC	CAA	GAA	AGA
V	G	L	A	S	A	Y	Q	R	E

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FIGURE 6-8

2439	GCC	CTA	GGG	TTT	TIG	CIT	AAA	CAG	TTT	CAC	GGC	CTG	TIA	TTT	CCT	CGG	GGT	
G	A	L	G	F	L	L	K	Q	F	H	G	L	L	F	P	R	G	
2493	ATG	CCA	CCA	AAC	AGT	AAA	TCC	CCC	AAC	CCG	CAG	TGG	TTT	TGG	ACC	CTG	TTA	CAA
M	P	P	N	S	K	S	P	N	P	Q	W	F	W	T	L	L	Q	
2547	CCC	AAC	CAG	ATG	CCG	GCA	GAT	AAA	CTT	ACA	CAC	GAA	GAG	ATT	ACC	ACT	ATT	GCA
R	N	Q	M	P	A	D	K	L	T	H	E	E	I	T	T	I	A	
2601	GCT	GTT	AAA	CGG	TTT	ACC	GAG	GAA	TAT	GCA	GCA	ATA	AAC	TIT	ATT	AAT	CTA	CCC
A	V	K	R	F	T	E	E	Y	A	A	I	N	F	I	N	L	P	
2655	CCA	ACC	TGC	ATA	CGA	GAA	TTA	GCC	CAG	TTT	TAT	ATG	GCA	ATA	TIT	ATT	CTA	CCC
P	T	C	T	G	E	L	A	Q	F	Y	M	A	N	F	I	N	L	
2709	TAC	TGC	GAT	CAT	TCA	CAG	TAC	CTT	ATA	ATA	ATF	ACC	TIA	ACT	TCT	ATA	ATT	ACG
Y	C	D	H	S	Q	Y	L	T	N	T	L	T	S	I	I	T	G	

FIGURE 6-9

	2763	2772	2781	2790	2799	2808
GCC	ACG CGC CCG CGT GAC CCA TCA TCC GTT TTG CAT TGG ATT CGT AAA GAT GTC					
A	R R P R D P S S V L H W I R K D V					
T	S A A D I E T Q A K A L L E K T E					
	2817	2826	2835	2844	2853	2862
ACG TCC GCC GCG GAC ATA GAA ACC CAA GCA AAG GCG CTT CTI GAA AAA ACG GAA						
N	L P E L W T T A F T S T H L V R A					
	2871	2880	2889	2898	2907	2916
AAC TTA CCG GAA TTA TGG ACT ACG GCT TTT ACT TCA ACT CAT TTA GTC CGC CGG						
N	L P E L W T T A F T S T H L V R A					
	2925	2934	2943	2952	2961	2970
GCC ATG AAT CAA CGT CCC ATG GTC GTT TTA GGA ATA AGC ATT AGT AAA TAT CAC						
A	M N Q R P M V V L G I S I S K Y H					
	2979	2988	2997	3006	3015	3024
GGA GCG GCA GGA AAC AAC CGC CGC TTT CAG GCA GGG ATT TGG AGC GGT TTA AAC						
G	A A G N N R V F Q A G N W S G L N					
	3033	3042	3051	3060	3069	3078
GGG GGT AAA AAT GTC TGC CCG CTA ATT ACA ATT GAT CGC ACT CGC CGT TTT ATA						
G	G K N V C P L F T D R T R R F I					
	3087	3096	3105	3114	3123	3132
ATA GCA TGT CCT AGA GGA GGT TTT ATC TGC CCC GTA ACA GGT CCC TCG TCG GGA						
I	A C P R G G F R C P V T G P S S G					

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FIGURE 6-10

	3141	3150	3159	3168	3177	3186
AAT	CGA	GAA	ACC	ACC	CTA	TCC
N	R	E	T	T	L	S
			D	Q	V	R
			G	I	I	V
					S	G
						G
3195	3204	3213	3222	3231	3240	3240
GCC	ATG	GTT	CAA	TTA	GCC	ATA
A	M	V	Q	L	A	I
			Y	A	T	V
						R
3249	3258	3267	3276	3285	3294	3294
GCA	CAA	CAT	ATG	GCA	TTT	GAC
A	Q	H	M	A	F	D
			D	D	W	L
					S	T
						D
						D
						E
						F
						L
3303	3312	3321	3330	3339	3348	3348
GCC	AGA	GAC	TTG	GAG	TTA	CAC
A	R	D	L	E	L	H
						D
					Q	I
					I	Q
					T	T
					L	E
						T
						P
3357	3366	3375	3384	3393	3402	3402
TGG	ACC	GTA	GAA	GGC	GCT	CTA
W	T	V	E	G	A	L
						E
					A	V
						K
						I
						L
						D
						E
						K
						T
						T
3411	3420	3429	3438	3447	3456	3456
GCG	GGA	GAT	GGG	GAA	ACC	CCC
A	G	D	G	E	T	P
				N	N	L
						A
						F
						N
						F
						D
						S
						C
						E

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FIGURE 6-11

3465	3474	3483	3492	3501	3510
CCA AGC CAT GAC ACC ACA TCT AAC GTG TTA AAC ATT TCA GGG TCA AAC ATT TCA					
P S H D T T S N V L N I S G S N I S					
3519	3528	3537	3546	3555	3564
GGG TCA ACT GTC CCT GGT CTT AAA CGA CCC CCC GAA GAT GAC GAA CTC TTT GAT					
G S T V P G L K R P P E D D E L F D					
3573	3582	3591	3600	3609	
CTT AGT GGT ATT CCC ATA AAA CAT GGG AAC ATT ACA ATG GAA ATG A 3'					
L S G I P I K H G N I T M E M					

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